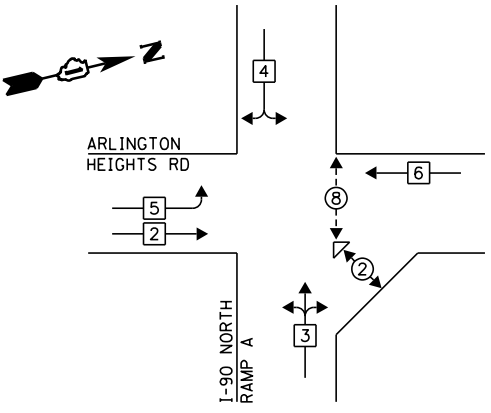


EXISTING CONTROLLER SEQUENCE



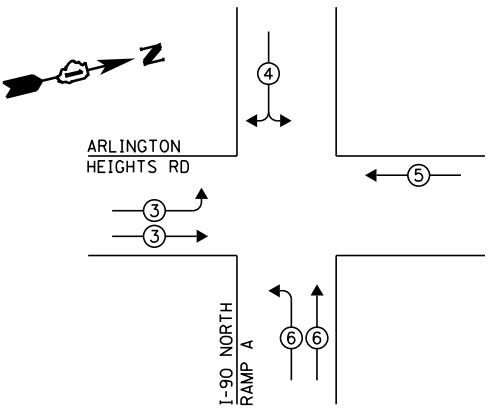
LEGEND:

- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP

RETROFIT ALL EXISTING TRAFFIC SIGNAL HEADS TO L.E.D.

NOTE:
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

| EXISTING EMERGENCY VEHICLE PREEMPTORS | | | | |
|---------------------------------------|---|---|---|---|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 | 5 | 6 |
| MOVEMENT | | | | |

INTERCONNECT
TO I-90 SOUTH RAMP G

TRACER CABLE

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNIT | TOTAL QTY. |
|---|------|------------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER | EACH | 2 |
| PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER | EACH | 1 |
| MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 |
| SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED, RETROFIT | EACH | 3 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT | EACH | 6 |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED, RETROFIT | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED, RETROFIT | EACH | 2 |
| PEDESTRIAN PUSH-BUTTON, NON-LATCHING | EACH | 3 |

CABLE PLAN

(NOT TO SCALE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| | | |
|---|------|------------------------|
| 4 | EACH | PEDESTRIAN SIGNAL HEAD |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON |

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|--|--------------|---------|-----|-------------|---------------|
| TYPE | NO. OF LAMPS | WATTAGE | | % OPERATION | |
| SIGNAL (RED) | 19 | INCAND. | 17 | 0.50 | 161.5 |
| | 19 | | 25 | 0.25 | 118.75 |
| | 25 | | 15 | 0.25 | 93.75 |
| ARROW | - | | 12 | 0.10 | - |
| PED. SIGNAL | 4 | | 25 | 1.00 | 100.0 |
| CONTROLLER | 1 | | 100 | 1.00 | 100.0 |
| ILLUM. SIGN | - | | 25 | 0.05 | - |
| VIDEO SYSTEM | - | | 150 | 1.00 | - |
| FLASHER | | | | 0.50 | |
| ENERGY COSTS TO: TOTAL = | | | | | 574.0 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096 | | | | | |
| ENERGY SUPPLY: CONTACT: DAVE SCHACHT | | | | | |
| PHONE: (630) 437-2129 | | | | | |
| COMPANY: COMMONWEALTH EDISON | | | | | |

| | | | |
|--|-----------------------------|-------------------|-----------|
| FILE NAME = | USER NAME = pociechal | DESIGNED - IP | REVISED - |
| et:\pw_work\pwidot\pociechal\d0381174\0122314-sh-t-tsl.dgn | | DRAWN - IP | REVISED - |
| Default | PLOT SCALE = 40.0000' / in. | CHECKED - AW / LP | REVISED - |
| | PLOT DATE = 5/16/2014 | DATE - 5/15/2014 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
ARLINGTON HEIGHTS RD AT I-90 NORTH RAMP A

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| -- | 2014-008TS | COOK | 81 | 27 |
| CONTRACT NO. 60X83 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 2938